Manitoba

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Dear Colleague,

Please find attached the Summary of Communicable Diseases for the Month of January 2007. This report reflects the number of cases of reportable communicable diseases for which individuals in Manitoba tested positive* during the month of January 2007.

Communicable Diseases

In total, there were **400** new infections occurring across 19 communicable diseases** (excluding sexually transmitted infections and HIV) in January 2007. The observed number of cases were within the expected range for most of the reported communicable diseases with the exception of Cryptosporidiosis (4 cases observed; expected range 0-3 cases), Diphtheria (1 case observed; expected range 0-0 cases) and Methicillin Resistant Staphylococcus Aureus (173 cases observed; expected range 0-149 cases). The expected number of cases and accompanying range is based on the number of cases during Dec 2001-2005, and January and February 2002-2006.

Sexually Transmitted Infections & Blood-Borne Pathogens

There were **465** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in January: 351 cases of chlamydia (Ct), 76 cases of gonorrhoea (GC), 33 GC-Ct co-infections, and 5 cases of syphilis. The 44% of all GC and Ct cases in the province were reported among females age 15-24 years. More than half of all GC and Ct cases (56%) were reported for individuals living in the Winnipeg health region, and an additional 18% were from the Burntwood health region.

In January, 19 individuals tested positive for hepatitis C, most of who were reported from the Winnipeg health region. More than one fifth of the cases were among males in the 30-39 year age groups. Seven Manitobans, more than half males, tested positive for HIV in January 2007.

*Note: Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date.

**Note: The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes, and are not reported out for public health follow-up:

ascariasis (ICD9: 127.0)
clostridium difficile (ICD9: 558.2)
leishmaniasis – unspecified (ICD9: 085.9)
methicillin or vancomycin resistant staphylococcus aureus (MRSA/VRSA)
penicillin-resistant streptococcus pneumoniae (ICD9: 481.9)
schistosomiasis (ICD9: 120)
streptococcus pneumoniae – other site (ICD9: 041.2)
strongyloides (ICD9: 127.2)
vancomycin resistant enterococci (VRE)
tuberculosis (ICD9: 013, 011, 010 – cases and contacts of tuberculosis are managed by the Provincial Tuberculosis Control Programme located at the Health Sciences Centre)

Cheers,
Dr. Suresh Khatkar
Epidemiologist, Communicable Diseases

Manitoba
spirited energy
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SUMMARY OF COMMUNICABLE DISEASE FOR January 2007

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2006	2007	Expected*	Ex. Range**	2006	2007
006.9	AMEBIASIS	2	6	3	0-6	2	6
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-2		
005.8	B. CEREUS			0	0-1		
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.9	BAC. MENINGITIS - OTHER			0	0-1		
320.1	BAC. MENINGITIS - PNEUM			0	0-1		
320.3	BAC. MENINGITIS - STAPH			0	0-1		
320.2	BAC. MENINGITIS - STREP			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		
116.0	BLASTOMYCOSIS		2		***		2
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS	1	1	2	0-9	1	1
008.43	CAMPYLOBACTER	9	11	12	3-21	9	11
558.2	CLOSTRIDIUM DIFFICILE	115	128		***	115	128
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	2	4	1	0-3	2	4
061.0	DENGUE FEVER			0	0-1		
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHTHERIA CASES		1	0	0-0		1
123.4	DIPHYLLOBOTHRIUM SPP			0	0-1		
008.0	E. COLI-VEROTOXIGENIC	4	1	3	0-10	4	1
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-1		
007.1	GIARDIA LAMBLIA	8	12	9	2-16	8	12
041.5	H.I.B.-NON MTGS			0	0-1		
041.59	HAEM. INFLUENZAE (non-B)				***		
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-0		
070.1	HEPATITIS A	1	1	2	0-4	1	1
070.3	HEPATITIS B			0	0-1		
070.51	HEPATITIS C	28	19	37	15-59	28	19
054.8	HERPES-W-UNSPEC COMPL	2		0	0-1	2	
487.1A	INFLUENZA A		10		***		10
487.1B	INFLUENZA B		1		***		1
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA			0	0-1		
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-1		
027.0	LISTERIA MONOCYTOGENES			0	0-1		
088.81	LYME DISEASE			0	0-0		
084	MALARIA	2		0	0-2	2	
055.9	MEASLES			0	0-1		
036.0	MENINGOCOCCAL CSF	1		0	0-1	1	
036.82	MENINGOCOCCAL ARTHROPATHY				***		
036.2	MENINGOCOCCEMIA BLOOD			0	0-1		
B95.6	MRSA	130	173	63	0-149	130	173
072.9	MUMPS			0	0-1		
036.89	N.MENINGITIDIS OTHER	1		0	0-1	1	
728.86	NECROTIZING FASCIITIS	3		1	0-3	3	
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***		

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

		MONTHLY TOTAL				YEAR-TO-DATE	
ICD9	DISEASE/INFECTION	2006	2007	Expected*	Ex. Range**	2006	2007
002.9	PARATYPHOID			0	0-0		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS	2	2	5	0-13	2	2
038.2	PNEUM. SEPTICEMIA	7	3	6	2-10	7	3
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-0		
331.81	REYE'S SYNDROME				***		
391	RHEUMATIC FEVER			0	0-0		
056.9	RUBELLA			0	0-0		
771.0	RUBELLA CONGENTIAL			0	0-0		
041.2	S.PNEUM.OTHER			0	0-1		
003.0	SALMONELLA	19	19	14	3-25	19	19
120	SCHISTOSOMIASIS			0	0-1		
004	SHIGELLOSIS	1		1	0-4	1	
050.9	SMALLPOX				***		
005.0	STAPHYLOCOCCAL			0	0-0		
785.5	STAPHYLOCOCCUS AUREUS				***		
481.9	STREP PNEUMONIA - PR			0	0-0		
711.0	STREP.PNEUM.ARTHRITIS			0	0-1		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-1		
481	STREPTOCOCCUS PNEUMONIAE			0	0-0		
127.2	STRONGYLOIDES			0	0-1		
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			1	0-4		
124	TRICHINOSIS			0	0-1		
086	TRYPANOSOMA CRUZI			0	0-0		
013	TUBERCULOSIS - NON-RESP.	1		2	0-5	1	
011	TUBERCULOSIS - RESP.	5		7	2-12	5	
010	TUBERCULOSIS-PRIM.			0	0-1		
021.9	TULAREMIA			0	0-0		
002.0	TYPHOID			0	0-0		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	5	4		***	5	4
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK			0	0-1		
047.1	VIRAL MENINGITIS-ECHO			0	0-1		
047.8	VIRAL MENINGITIS-ENTERO				***		
054.72	VIRAL MENINGITIS-H SIMP			0	0-1		
047.9	VIRAL MENINGITIS-UNSPEC			0	0-1		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION				***		
198	WNV NEUROLOGICAL SYNDROME				***		
197	WNV NON-NEUROLOGICAL SYND				***		
066.3	WNV UNCLASSIFIED				***		
008.44	YERSINIA ENTEROCOLITICA		2	0	0-2		2
		349	**400**			**349**	**400**

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR January 2007

		<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing	Total
ICD9	Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	age/gendr	
006.9	AMEBIASIS																3	1	2										6
116.0	BLASTOMYCOSIS					1											1												2
005.2	C. PERFRINGENS																				1								1
008.43	CAMPYLOBACTER		1	1	1			1			2				1					2	1			1					11
558.2	CLOSTRIDIUM DIFFICILE				3	1				1	2			1		3		5	3	6	6	7	11	10	12	37	21		129
007.8	CRYPTOSPORIDIOSIS				3			1																					4
032	DIPH. CASES																										1		1
008.0	E. COLI 0157		1																										1
007.1	GIARDIA LAMBLIA			1	2	2					1				2				2	1	1								12
070.1	HEPATITIS A																							1					1
070.51	HEPATITIS C											1	1	1	3	2	4	2	1	1	2		1						19
487.1A	INFLUENZA A			2	1		1		1									2			1					1	1		10
487.1B	INFLUENZA B						1																						1
B95.6	MRSA	1	2	6	6	9	6	5	6	5	3	6	7	5	7	12	11	5	9	11	7	4	3	4	10	8	15		173
033.0	PERTUSSIS	1	1																										2
003.0	SALMONELLA					1		1	1		1	2	2			1	3				3	1	2		1				19
038.2	STREP.PNEUMOCOCCAL SEPTIC				1														1			1							3
038.0	STREPTOCOCCAL SEPTICEMIA																		1								1		2
B96.8	VANCOMYCIN RES. ENTER.							1								1				1		1							4
008.44	YERSINIA ENTEROCOLITICA																					1			1				2
		2	5	10	17	14	8	9	8	6	9	9	10	7	13	19	22	15	19	22	22	15	17	16	24	46	39		403

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR January 2007

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
*Case Referred to:**				*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
006.9	AMEBIASIS	6																					6
116.0	BLASTOMYCOSIS	1			1																		2
005.2	C. PERFRINGENS	1																					1
008.43	CAMPYLOBACTER	1	1		1				3		3		2										11
558.2	CLOSTRIDIUM DIFFICILE	66	6		3		2		8		19		10	2	6		1	3	3				129
007.8	CRYPTOSPORIDIOSIS	1											3										4
032	DIPH. CASES																	1					1
008.0	E. COLI 0157	1																					1
007.1	GIARDIA LAMBLIA	7			1		1		1									1				1	12
070.1	HEPATITIS A														1								1
070.51	HEPATITIS C	12					1	2	1		1								1		1		19
487.1A	INFLUENZA A	3			1				1		2		3										10
487.1B	INFLUENZA B				1																		1
B95.6	MRSA	50	6	2	1		1		6	1	7		6			4	6	75	6	1		1	173
033.0	PERTUSSIS	1							1														2
003.0	SALMONELLA	12	2						2		2		1										19
038.2	STREP.PNEUMOCOCCAL SEPTIC								1									2					3
038.0	STREPTOCOCCAL SEPTICEMIA	1																1					2
B96.8	VANCOMYCIN RES. ENTER.	3		1																			4
008.44	YERSINIA ENTEROCOLITICA	2																					2
		168	**15**	**3**	**9**		**5**	**2**	**24**	**1**	**34**		**25**	**2**	**7**	**4**	**7**	**83**	**10**	**1**	**1**	**2**	**403**
Missing Investigation Forms (01/01/2006 - 12/31/2006)		225	15	1	1		33	3	5	1	8		13		3		1	8	5	1	1	8	332

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

STD Infection Summary Report January 2007

	MONTHLY TOTAL		YEAR-TO-DATE	
DISEASE/INFECTION	**2006**	**2007**	**2006**	**2007**
All Chlamydia Infections	376	384	376	384
All Gonorrhea Infections (including PRNG)	150	109	150	109
All Syphilis Infections	6	5	6	5
Gonorrhea & Chlamydia Co-infections	45	33	45	33
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	10	7	10	7

Total Number of STD Cases by Age and Gender - January 2007

	<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing	Total
Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	age/gendr	
Chlamydia Only Cases							4	2	86	26	80	45	37	22	14	20	5	7	2	1								351
Gonorrhea Only Cases			1						13	4	10	11	6	6	5	10		7		3								76
Syphilis Only Cases													1			2			1	1								5
GC and CT Cases							3		5	1	10	5	2	1		4		2										33
			1				7	2	104	31	100	61	46	29	19	36	5	16	3	5								465
HIV															1	1	1	1			1	2						7

Regional STD Distribution - January 2007

Disease/Infection	**Winnipeg**	**Brandon**	**N.Eastman**		**S.Eastman**		**Interlake**		**Central**		**Assiniboine**		**Parkland**		**Norman**		**Burntwood**		**Churchill**	**OOP**	**Missing**	**TOTAL**
Case Referred to:*			*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
All Chlamydia Infections	205	31	2	8		8		21		11		8		5	4	8	54	16	1	3		385
All Gonorrhea Infections	67	2	2	2		1	2	3	1					2			21	6				109
All Syphilis Infections	2							1				2										5
GC and CT Infections	14	1		1				3									12	2				33

Missing Investigation Forms (01/01/2006 - 12/31/2006)	121	15	6	4		4	6	7		9		13	2	5	33	8	33	16		1	1	284

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction